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REPORT NO. 10

JAN 25 '74

PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

## Cotton Fiber and Processing Test Results

CROP of

1971



Consumer and Marketing Service  
U.S. DEPARTMENT OF AGRICULTURE  
Memphis, Tenn. 38117 December 24, 1971

This is the tenth of a series of reports of fiber and processing test results from the 1971 cotton crop. Subsequent reports in this series will follow at approximately two-week intervals during the harvesting season, and will be summarized in a comprehensive report at the end of the season. This series will present data on the same subject as "Summary of Cotton Fiber and Processing Test Results, Crop of 1970", March 1971. These reports are published by the Standardization Section, Cotton Division, Consumer and Marketing Service, U. S. Department of Agriculture, P. O. Box 17723, Memphis, TN 38117.



## COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1971

### Discussion of Test Results

Cotton testing laboratories of the Consumer and Marketing Service, USDA, report that fibers from Southwestern short staple samples tested, to date, are weaker than through the same period a year ago. Shirley Analyzer nonlint content and picker and card waste is higher. Yarns spun from these samples are weaker and show more imperfections. Average spinning potential yarn number is lower than last season.

Averages for all medium staple samples tested through December 17, 1971 show longer fibers than a year ago. Zero gage fiber strength is lower. Yarns spun from these samples show higher appearance grades than last season.

Medium staple samples from the Southeast are weaker than a year ago. Yarns spun from these samples are weaker with more imperfections and higher appearance grades.

South Central medium staple samples are longer, finer and weaker at zero gage fiber strength than last year. Yarns spun from these samples show higher appearance grades.

Medium staple samples from the Southwest are coarser and weaker at 1/8-inch gage strength than a year ago. Picker and card waste is lower. Yarns spun from these samples show higher appearance grades and fewer imperfections. Average spinning potential yarn number is lower.

Medium staple samples from the West are longer than last year.

Averages for all long staple samples tested, not including roller ginned, are finer and weaker than a year ago. Picker and card waste is higher while comber waste is lower. Yarns spun from these samples are weaker with higher appearance grades and fewer imperfections.

Long staple samples from the Southeast are finer and weaker than last season. Picker and card waste is higher while comber waste is lower. Both carded and combed yarns are weaker and show higher appearance grades.

South Central long staple samples are longer than last year. Shirley Analyzer nonlint content is higher. Comber waste is lower. Yarns are generally stronger with higher appearance grades and fewer imperfections. Average spinning potential yarn number is higher.

Long staple samples from the West are weaker at 1/8-inch gage fiber strength. Shirley Analyzer nonlint content and comber waste are lower while picker and card waste is higher. Yarns spun from these samples are weaker with higher appearance grades and fewer imperfections. Average spinning potential yarn number is higher.

Extra long staple, American Pima, samples from the West are shorter and weaker than last season. Shirley Analyzer nonlint content and comber waste are lower while picker and card waste is higher. Yarns spun from these samples are weaker than last year.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States  
1/  
through December 17, 1971

Staple group Area, and Crop year	Lots tested	Fiber test results							Processing test results					
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.		
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appearance	Imperf- ections			
No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	Lbs.	Index	No.	Yarn No.			
<u>Short Staple:</u>														
Southwest	39	0.94	46	4.5	86	21	3.3	6.2	91	115	27	43		
1970	27	0.95	45	4.6	80	20	3.9	6.8	85	117	31	37		
1971														
<u>Medium Staple:</u>														
Southeast	83	1.07	45	4.4	83	23	3.6	6.7	102	101	18	60		
1970	67	1.08	45	4.4	79	22	3.4	6.6	99	109	20	61		
1971														
South Central	139	1.08	45	4.5	82	22	3.1	6.1	101	107	21	61		
1970	141	1.10	45	4.3	81	22	3.0	5.9	103	113	20	62		
1971														
Southwest	52	1.07	46	4.3	86	23	3.2	6.1	105	116	26	64		
1970	28	1.07	45	4.5	86	22	3.1	5.6	103	121	20	59		
1971														
West	53	1.10	45	4.3	93	25	2.6	5.5	118	116	23	71		
1970	59	1.12	45	4.2	93	25	2.7	5.3	121	120	24	70		
1971														
U. S. Average	327	1.08	45	4.4	85	23	3.2	6.2	105	108	21	63		
1970	295	1.10	45	4.3	83	23	3.0	5.9	106	114	21	63		
1971														
Significant dif- ference 2/		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3		

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States  
through December 17, 1971

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results										SPY
		Length		Mike	Strength Zero gage	SA Non- lint	P&C Waste	Comber Waste	Yarn Quality									
		Span	Unif						Strength carded	Appearance combed	Imprfctns card	comb						
		In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.					Lbs.	Indx	Indx	No.	No.	
Long Staple: Southeast 1970 1971	14 16	1.14 1.14	45 43	4.7 4.3	82 79	23 22	4.5 4.2	8.6 9.7	18.5 17.2	109 102	122 118	103 109	100 118	21 22	11 10	65 65		
South Central 1970 1971	6 3	1.16 1.22	42 43	4.6 4.5	85 83	24 24	4.5 5.3	9.2 9.6	20.0 16.4	102 113	124 130	93 107	115 117	26 20	10 9	62 70		
West 1970 1971	15 10	1.17 1.17	45 44	3.8 3.7	93 92	27 26	3.4 2.2	7.7 8.3	16.2 15.8	134 129	152 146	87 101	97 105	40 20	25 12	75 78		
U. S. Average 1970 1971	35 29	1.16 1.16	44 43	4.3 4.1	87 84	25 24	4.0 3.6	8.3 9.2	17.8 16.7	119 112	135 129	94 106	101 113	30 21	17 11	69 70		
Extra Long Staple: West 1970 1971	2 2	1.42 1.41	32 30	3.8 4.0	111 105	36 30	2.6 2.0	7.7 8.2	18.8 16.0		71 66		105 100		7 10			
West 1970 1971	11 13	1.49 1.45	30 31	3.8 3.9	100 98	34 32	3.1 2.6	7.4 8.3	18.3 17.3		69 66		116 116		3 2			
Significant Difference 2/		0.02	2	0.2	2	1	0.5	0.5	0.5	4(22s)	4(22s)	5	5	2	2	3		

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										
				Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-lint		Color Raw Stock		P & C		Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent-ial
							Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel	Waste	Lbs	Pct	Lbs	Pct	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	
No	Grade	Stple	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No		Pct	Lbs	Pct	Pct	No	No	No	No	No		
SOUTHWEST CENTRAL TEXAS																							No	
TERRELL																								
3	LM LT SP	52	30	0.98	44	5.1	78	18	LANKART 57	7.4	5.7	6	4	99 PERCENT	8.7	257	74	6.3	5.0	120	110	46	35	33
NORTHWEST TEXAS																								
COTTON CENTER																								
1	SLM LT SP	42	30	0.93	43	3.3	78	20	STRIPPER 31	7.1	3.9	3	3	85 PERCENT	6.4	297	88	7.0	6.2	120	100	48	36	39
LOCKNEY																								
1	SLM LT SP	42	30	0.95	44	2.9	78	21	STRIPPER 31	7.1	4.0	2	4	75 PERCENT	6.8	311	91	7.0	6.3	110	100	74	47	39
MULESHOE																								
1	LM LT SP	52	30	0.92	45	2.8	81	22	PAYMASTER 202	7.2	5.0	3	4	80 PERCENT	8.7	303	88	7.4	6.2	110	100	86	53	33
PLAINVIEW																								
1	LM LT SP	52	31	0.94	45	3.2	77	20	PAYMASTER 18	7.0	7.9	3	4	80 PERCENT	9.7	304	92	7.2	6.1	120	120	82	53	36
NEW MEXICO																								
PORTALES																								
1	LM LT SP	52	30	0.87	45	2.9	83	20	RILCOT 90	6.8	7.9	3	4	80 PERCENT	11.1	299	91	6.7	5.9	110	100	108	79	35

1/ Reduced from 32 because of Bark

2/ Reduced from 42 because of Bark



Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin- Poten- tial	
No	Grade	Style	32s	In	Pct		Rdg	Mpsi			G/tex	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	Pct	Pct	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTHEAST																							
ALABAMA																							
GERALDINE																							
3	SLM		41 33	1.02	43	4.3	73	20	6.1	2.1	2	3	6.3	82	25	5.9	4.9	120	90	12	11	49	
LAFAYETTE																							
3	LM		51 35	1.08	45	4.5	74	21	7.5	3.2	2	3	6.3	99	35	6.9	5.7	110	90	19	18	64	
PRATTVILLE																							
4	LM		51 35	1.12	43	4.2	81	24	5.7	3.1	2	2	5.8	108	43	6.6	5.1	100	90	22	14	65	
ST CLAIR																							
4	LM		51 34	1.07	43	4.6	80	22	6.0	2.6	2	3	6.8	91	29	6.1	4.7	100	90	19	21	57	
GEORGIA																							
BOSTWICK																							
4	LM LT SP		52 34	1.03	44	4.7	76	20	5.7	3.9	5	3	8.0	81	26	5.6	4.4	120	100	13	10	52	
COMER																							
3	LM		51 33	1.08	43	4.3	76	20	6.3	3.2	4	3	6.9	88	29	6.2	4.9	110	80	21	25	59	
STAPLETON																							
4	LM		51 34	1.07	45	4.9	77	22	5.9	3.9	3	2	7.5	87	28	5.7	4.4	110	90	14	15	52	
NORTH CAROLINA																							
LAURINBURG																							
4	LM		51 34	1.05	46	4.1	79	23	6.7	3.8	3	2	7.1	104	36	6.8	5.2	120	90	25	19	62	
SHELBY																							
2	LM LT SP		52 34	1.04	44	4.4	74	20	5.9	4.9	5	3	8.6	81	26	5.6	4.0	110	90	22	16	53	
SOUTH CENTRAL																							
ARKANSAS																							
PROCTOR																							
3	LM		51 34	1.07	44	3.4	81	21	7.4	4.6	2	2	7.4	100	34	6.1	4.1	100	70	48	34	54	
WYNNE																							
3	LM		51 34	1.10	42	3.3	81	23	8.4	4.8	2	2	7.7	109	39	6.7	5.0	120	90	37	26	65	

\* 100 percent selected for tests, less than 100 percent in the area

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns												
No	Grade	Name & Code	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct's		Spin. Potent- ial
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Mpsi		G/tex	Pct	Gra	Yel	22s or 27 tx	50s or 12 tx	Pct	22s or 27 tx	
SOUTH CENTRAL--(Continued)																						
LOUISIANA																						
NATCHITOCHES																						
3 SLM	41	34	1.10	43	3.9	79	21	7.5	2.8	2	2	70 PERCENT	37	6.7	4.5	120	90	31	24	59		
OPELOUSAS																						
3 LM	51	34	1.05	46	4.5	76	19	6.7	3.5	4	3	75 PERCENT	27	5.4	3.4	120	100	24	14	52		
SICILY ISLAND																						
3 SLM	41	34	1.06	46	4.1	81	22	7.1	3.5	2	2	100 PERCENT	36	5.9	4.1	120	100	19	12	55		
WATERPROOF																						
3 LM	51	35	1.13	44	3.8	79	22	8.0	3.7	2	2	100 PERCENT	39	6.8	4.4	120	90	26	18	69		
MISSISSIPPI																						
EDWARDS																						
3 SLM	41	35	1.06	44	4.1	80	22	6.5	2.8	1	2	85 PERCENT	36	6.5	5.5	100	90	21	20	62		
EDWARDS																						
3 SLM LT SP	42	35	1.09	44	4.1	81	23	7.2	2.4	2	3	100 PERCENT	37	7.1	5.5	110	80	18	13	64		
INDIANOLA																						
3 LM	51	35	1.02	43	4.0	84	21	5.2	3.9	2	2	100 PERCENT	28	5.5	4.3	100	80	22	18	52		
INDIANOLA																						
3 SLM	41	35	1.07	45	4.2	79	22	6.2	2.5	2	3	100 PERCENT	33	6.3	4.9	100	80	21	22	59		
SCOTT																						
3 SLM	41	36	1.12	42	4.0	77	22	7.4	2.5	1	2	100 PERCENT	39	7.4	5.9	110	90	15	21	59		
ROLLING FORK																						
3 SLM	41	34	1.07	39	3.4	82	25	7.2	2.1	1	2	100 PERCENT	37	7.3	5.8	90	70	23	22	60		
TENNESSEE																						
CORDOVA																						
3 LM	51	34	1.05	45	4.3	80	21	6.5	2.7	1	2	95 PERCENT	29	6.4	4.7	120	90	20	14	55		
MCKENNIE																						
3 SLM LT SP	42	33	1.02	46	4.3	78	21	5.2	2.6	2	3	85 PERCENT	29	6.6	4.6	110	90	21	18	57		

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent- ial	
No	Grade	Style	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	Gra	Yel	Pct	22s or 27 tx	Lbs	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	No	No	
SOUTHWEST NORTHWEST TEXAS																							
SLATON																							
1 LM	51	34	1.10	43	3.1	83	22	7.8	5.4	2	3	100 PERCENT	38	6.6	4.4	100	80	46	30	59			
WESTERN ARIZONA																							
CASA GRANDE																							
3 MID LT SP	32	35	1.14	45	4.5	83	22	7.2	2.7	2	4	100 PERCENT	39	6.0	4.2	120	100	20	14	62			
PARKER																							
3 MID LT SP	32	34	1.10	42	4.0	83	22	6.9	3.4	2	4	90 PERCENT	30	5.5	3.4	110	80	26	23	52			
QUEEN CREEK																							
3 MID LT SP	32	34	1.11	42	4.3	81	22	8.0	2.9	2	4	99 PERCENT	35	6.2	4.3	120	90	17	13	58			
CALIFORNIA CHOWCHILLA																							
3 SLM	41	36	1.18	46	4.0	99	28	6.1	2.4	2	3	100 PERCENT	52	5.7	4.3	110	90	26	20	83			
CORCORAN																							
3 SLM	41	36	1.15	46	3.7	102	28	6.0	2.7	2	3	100 PERCENT	50	5.7	4.3	110	80	36	25	82			
DOS PALOS																							
3 MID	31	36	1.14	47	3.9	99	29	6.2	2.5	1	3	100 PERCENT	52	5.8	4.3	130	100	24	13	79			
HURON																							
3 SLM	41	36	1.15	44	3.9	97	26	6.1	4.8	3	4	100 PERCENT	45	4.9	3.8	110	90	32	24	77			
KERMAN																							
3 SLM	41	36	1.14	47	3.9	104	29	6.0	2.7	2	3	100 PERCENT	51	5.8	4.2	120	100	21	14	82			
LOST HILLS																							
3 MID	31	36	1.14	45	4.2	95	27	6.0	2.2	1	3	100 PERCENT	47	5.7	4.3	130	100	20	15	77			
SAN JOAQUIN																							
3 SLM	41	35	1.09	45	3.1	98	26	6.6	3.8	2	3	100 PERCENT*	47	5.5	3.9	120	80	42	28	73			
STRATFORD																							
3 SLM	41	36	1.14	46	4.3	101	28	5.5	3.8	1	3	100 PERCENT	50	5.6	4.2	120	90	21	18	64			

\* 100 percent selected for tests, less than 100 percent in the area

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns													
No	Grade	Style	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Mpsi	G/tex	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
WESTERN-- (Continued)																							
WEST TEXAS																							
COYANOSA																							
3	SLM LT SP	42	34	1.10	42	3.8	78	21	7.6	4.1	3	3	100 PERCENT*	34	5.8	4.0	110	80	46	32	57		
PECOS																							
3	SLM	41	34	1.03	44	3.7	80	21	7.2	2.4	2	3	100 PERCENT*	32	5.8	3.9	120	100	23	17	54		

\* 100 percent selected for tests, less than 100 percent in the area



Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Comber Waste	Strength		Elongation		Appearance Index		Imprct'ns		Spin. Potential	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	Lbs	Pct	Pct	Pct	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTHEASTERN																							
ALABAMA																							
ORRVILLE																							
4	LM		51	35	1.14	42	4.6	77	23	6.3	3.8	3	2	10.3	102	36	6.3	4.9	110	90	20	19	62
													* 16.6	119	42	5.8	5.2	120	90	11			
GEORGIA																							
COMER																							
3	LM		51	34	1.10	44	4.4	75	22	6.9	2.8	3	3	8.6	99	35	6.3	5.4	110	90	19	21	63
													* 17.2	113	41	6.7	5.6	120	90	10	9		
MADISON																							
4	LM LT SP		52	34	1.09	43	4.6	78	21	6.3	3.2	4	3	10.4	91	31	6.2	4.9	110	80	20	22	59
													* 17.7	106	37	6.6	5.2	110	90	12	9		
NORTH CAROLINA																							
FALLSTON																							
1	LM LT SP		52	36	1.13	41	4.1	76	19	6.5	3.0	4	3	9.6	88	29	6.1	4.5	120	90	13	16	59
													* 19.0	107	38	6.5	4.8	120	100	4	6		
SOUTH CAROLINA																							
RIDGE SPRINGS																							
4	LM LT SP		52	35	1.16	41	3.8	76	22	6.4	5.1	4	3	11.3	98	34	6.4	5.2	100	80	25	25	62
													* 17.5	112	40	6.8	5.3	110	90	15	13		
WESTERN																							
ARIZONA																							
ELFRIDA																							
2	MID		31	36	1.13	44	3.5	91	26	5.3	2.3	0	3	8.9	124	46	6.4	5.1	110	80	17	13	74
													* 17.1	141	54	6.7	5.3	110	90	11	9		
NEW MEXICO																							
LAS CRUCES																							
3	MID LT SP		32	37	1.18	46	4.0	89	25	6.1	2.8	2	3	10.2	119	45	6.8	5.4	100	70	35	30	77
													* 18.0	139	52	7.2	5.7	100	90	21	17		
WEST TEXAS																							
EL PASO																							
3	MID		31	37	1.15	45	3.9	88	27	5.8	3.6	1	3	9.4	124	47	6.8	5.4	110	80	20	27	78
													* 14.2	140	52	7.2	5.8	110	90	16	16		
EL PASO																							
2	MID		31	36	1.09	43	3.3	93	24	5.7	2.1	1	3	8.8	126	46	6.7	5.2	100	80	15	14	76
													* 16.0	142	53	6.7	5.6	110	90	10	10		

\* Comber Waste and Combed Yarn Data  
1/100 percent selected for tests, less than 100 percent in the area  
2/Roller ginned Acala 1517 strains

Table 5--Cotton, American upland extra long staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification &			Fiber Test Results										Processing Test Results - Combed Yarns									
Sample Number			Array Length		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfct's		
No	Grade	Stple	UQL	CV		Zero Gage	1/8" Gage			Gra	Yel			Lbs	Pct	Lbs	Pct	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx
Name & Code			In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	
32s																						

WESTERN

ARIZONA

AGUILA

2 MID

31 40 1.41 27 4.1 98 30 5.2 1.9 1 3 8.6 14.8 63 35 5.1 4.4 100 90 9 7

Table 6 --Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Combed Yarns									
No	Grade	Name & Code	Stple	Array Length		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfect'ns		
				UqL	CV		Zero Gage	1/8" Gage			Gra	Yel			50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	
32s																							
WESTERN																							
ARIZONA																							
PEORIA																							
2	4	44		1.49	30	3.9	102	36	6.8	3.4	3	5	10.1	17.6	70	38	5.7	5.2	100	110	5	3	
SAFFORD																							
2	4	46		1.51	31	3.9	100	32	7.9	3.5	4	5	8.2	14.7	68	37	6.1	5.2	110	110	2	2	
NEW MEXICO																							
LAS CRUCES																							
2	3	44		1.32	33	4.2	99	32	7.3	2.0	3	5	7.3	17.6	62	36	5.8	5.0	120	120	1	1	
WEST TEXAS																							
EL PASO																							
2	4	44		1.41	33	3.9	94	31	7.9	3.6	5	6	8.9	17.7	64	35	6.0	5.1	100	110	3	3	
EL PASO																							
2	3	46		1.48	33	3.8	99	32	8.0	1.2	4	6	8.0	16.9	63	35	5.6	4.9	110	110	5	3	

\* 100 percent selected for tests, less than 100 percent in the area

